

FIG. 1A

Original nickel tool

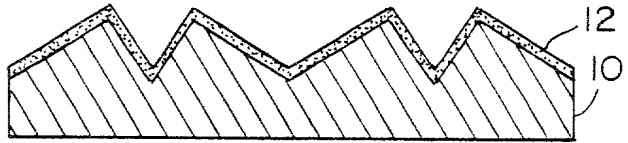


FIG. 1B

Coat tool with layer of photoresist

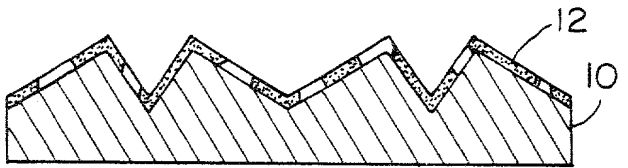


FIG. 1C

Random exposure of photoresist to a speckle pattern

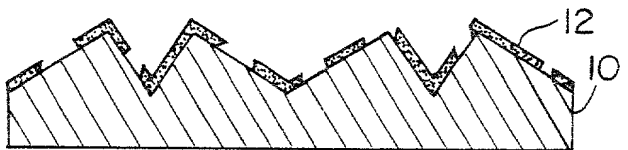


FIG. 1D

Development of resist

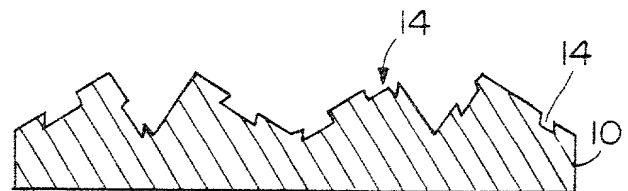


FIG. 1E

Reactive ion-etching to produce modified mold body

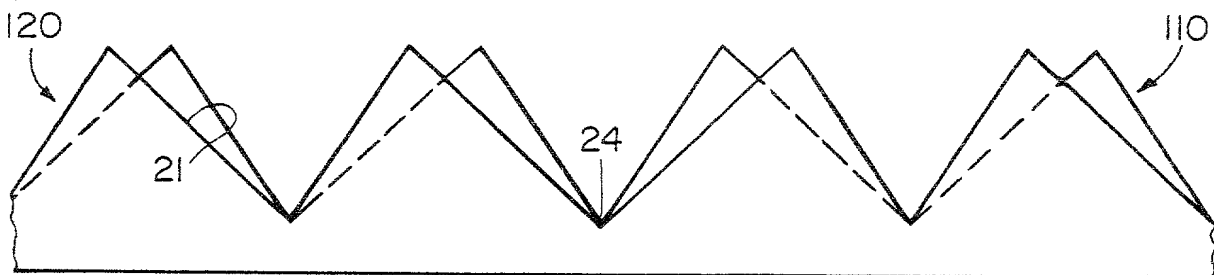


FIG. 3

09901199.070901
T06070" 66T0660

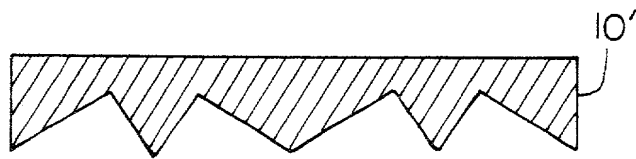


FIG. 2A
Cast of original tool

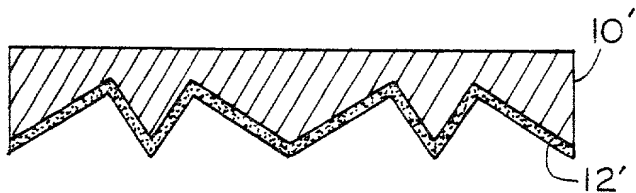


FIG. 2B
Coat cast with layer of
photoresist

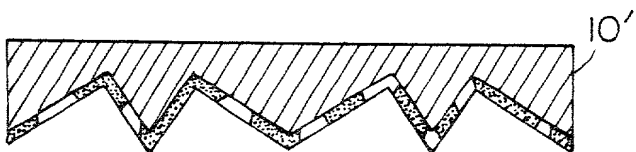


FIG. 2C
Random exposure of photoresist
to a speckle pattern

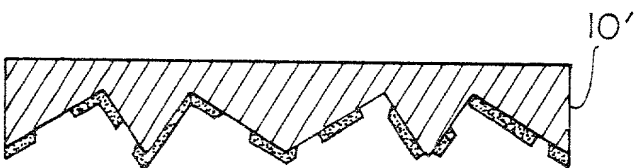


FIG. 2D
Development of resist

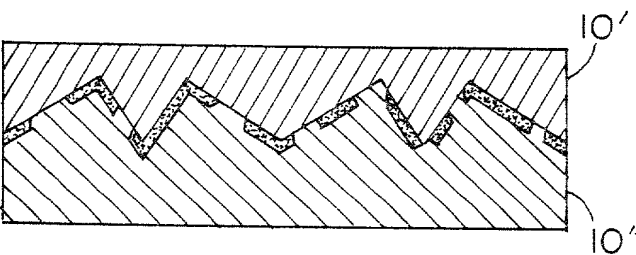


FIG. 2E
Electroform with nickel to
create a new indenting tool

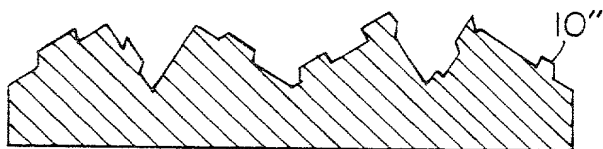


FIG. 2F
Removing the cast to reveal
the new nickel indenting tool

106020" 66T0660

FIG. 10

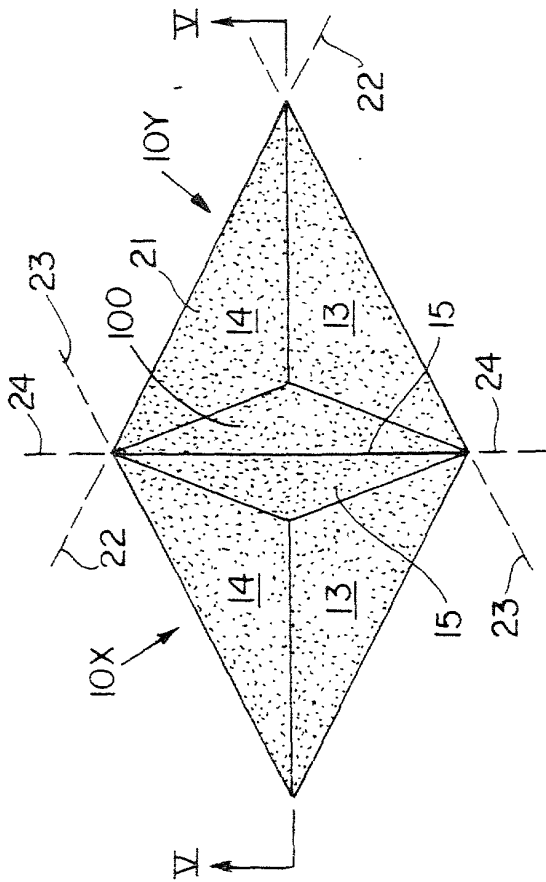


FIG. 4

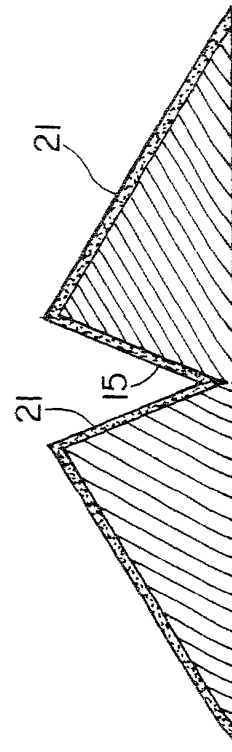


FIG. 5

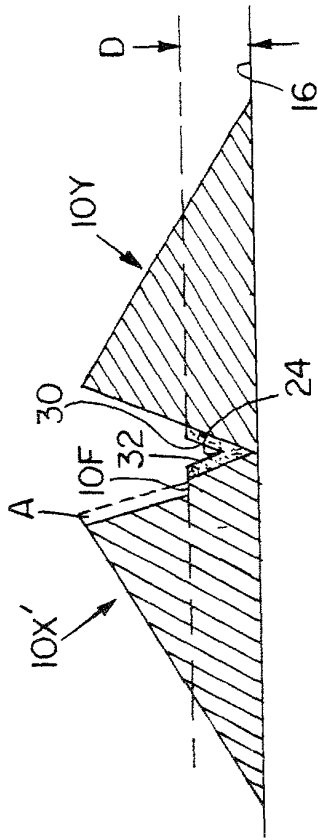


FIG. 6

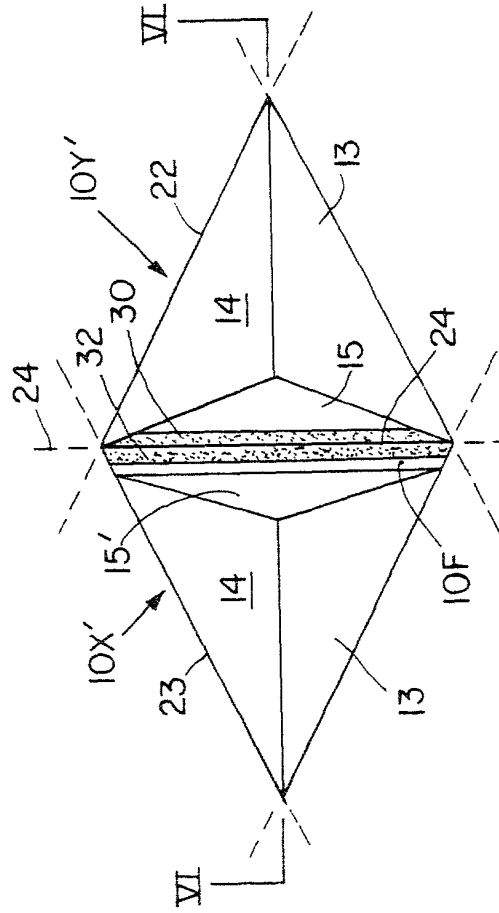


FIG. 7

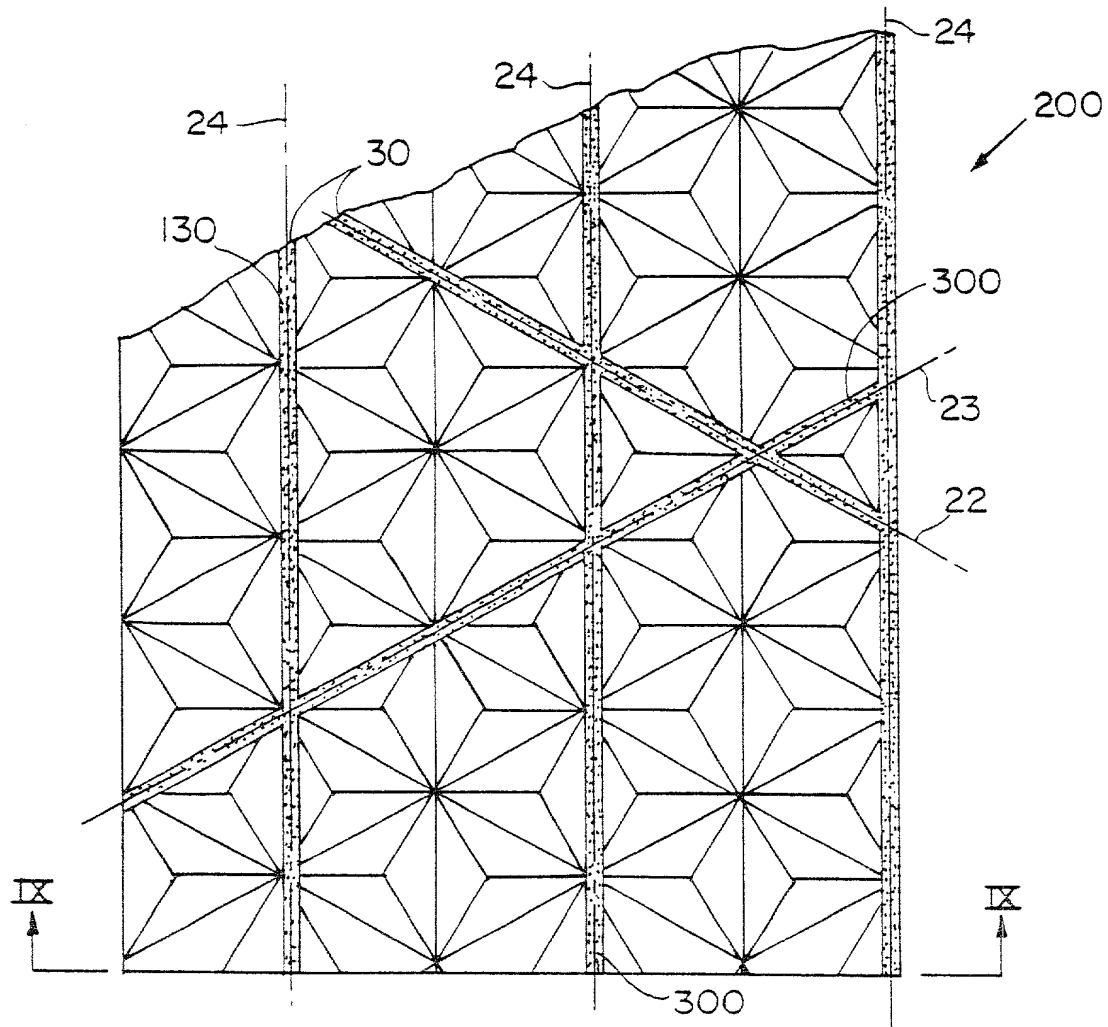


FIG. 8

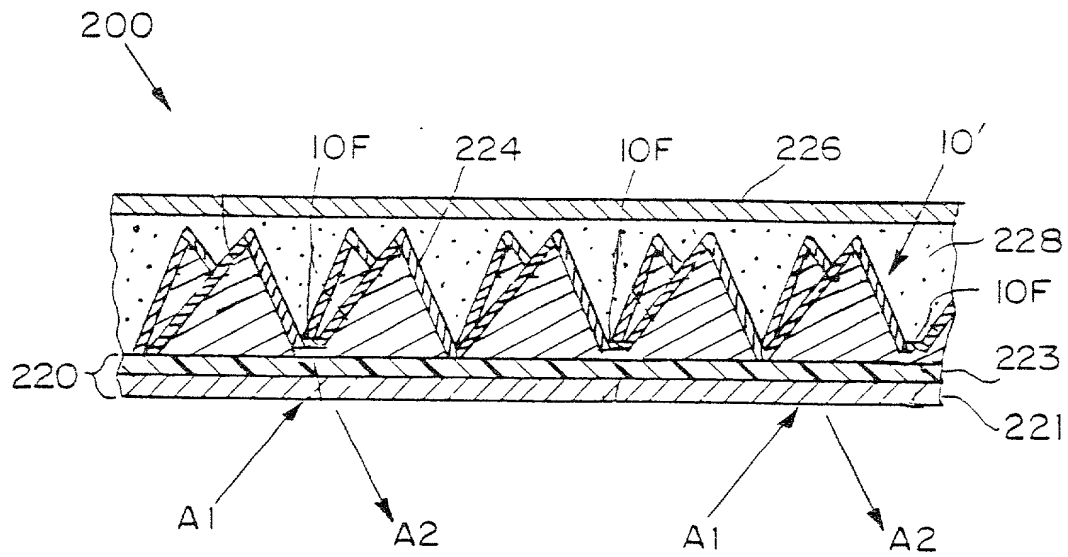
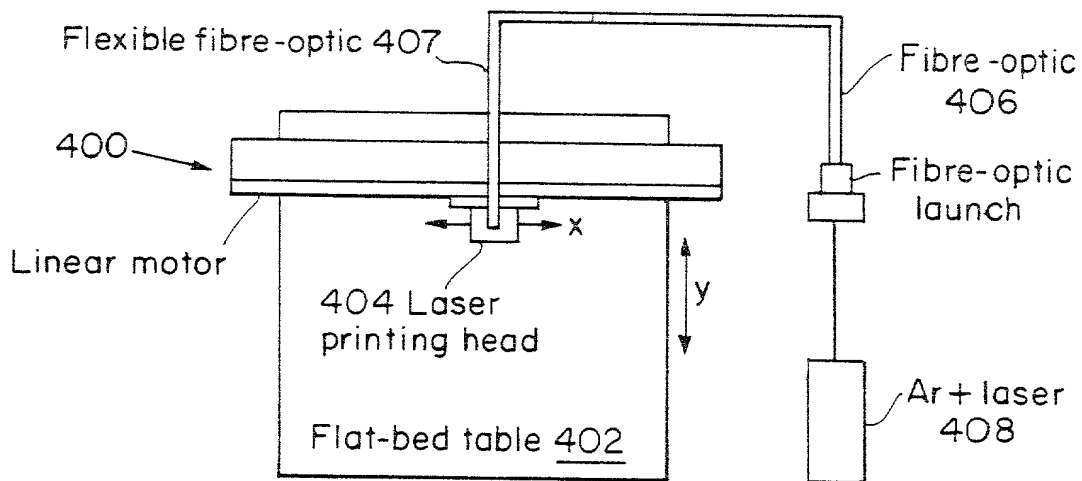
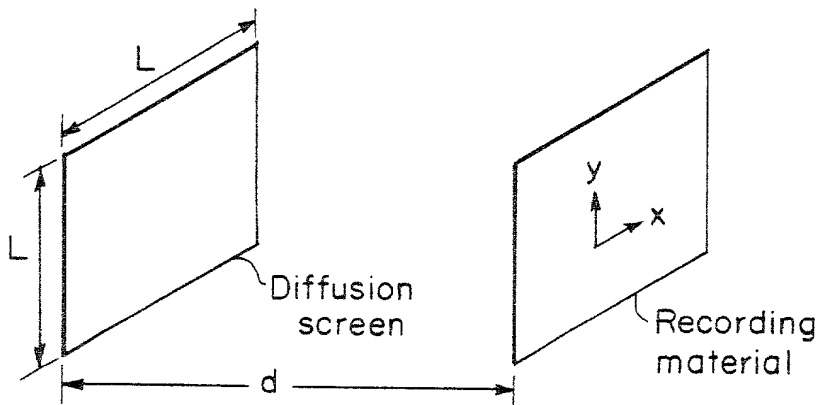
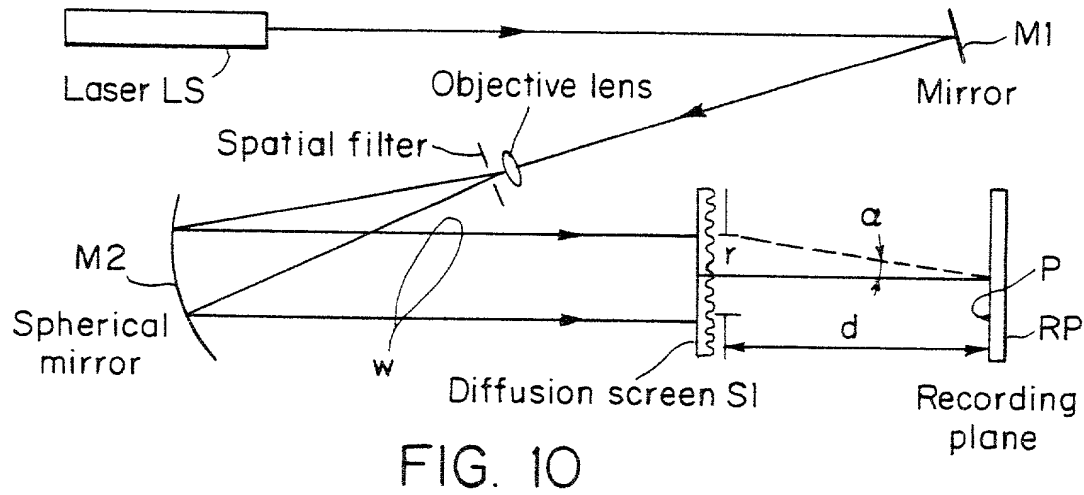
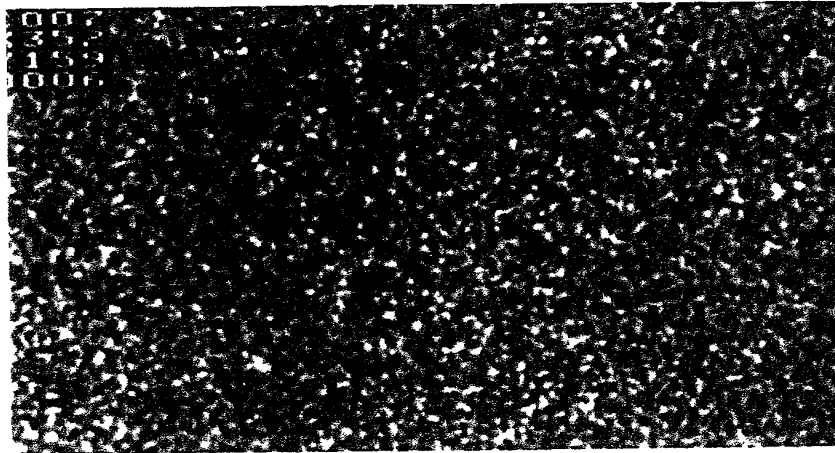


FIG. 9

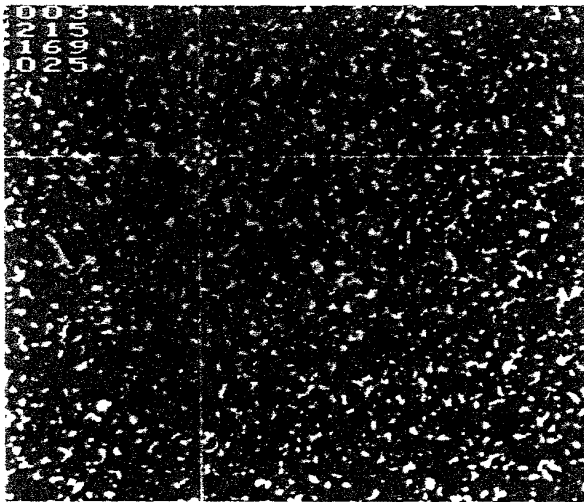


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 106020 66T0660



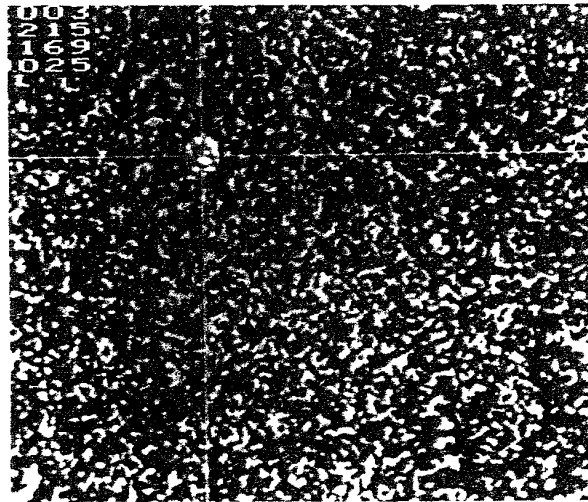
200 μ m

FIG. 11



480mJ/cm²

FIG. 19A



497mJ/cm²

FIG. 19B

006070" 66TF0660

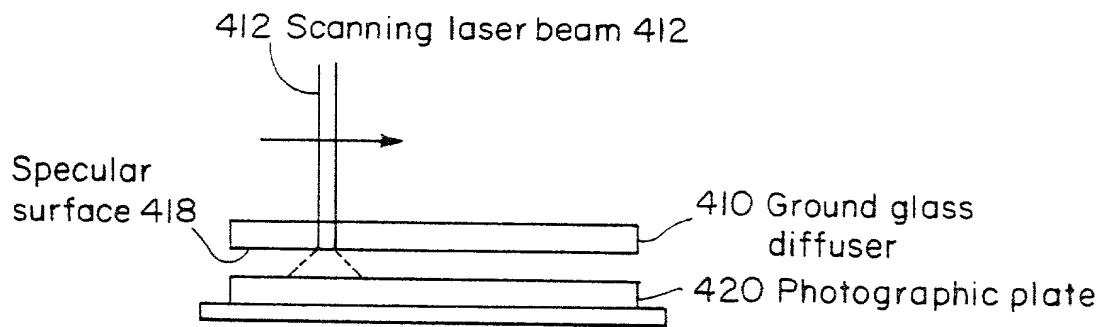


FIG. 14

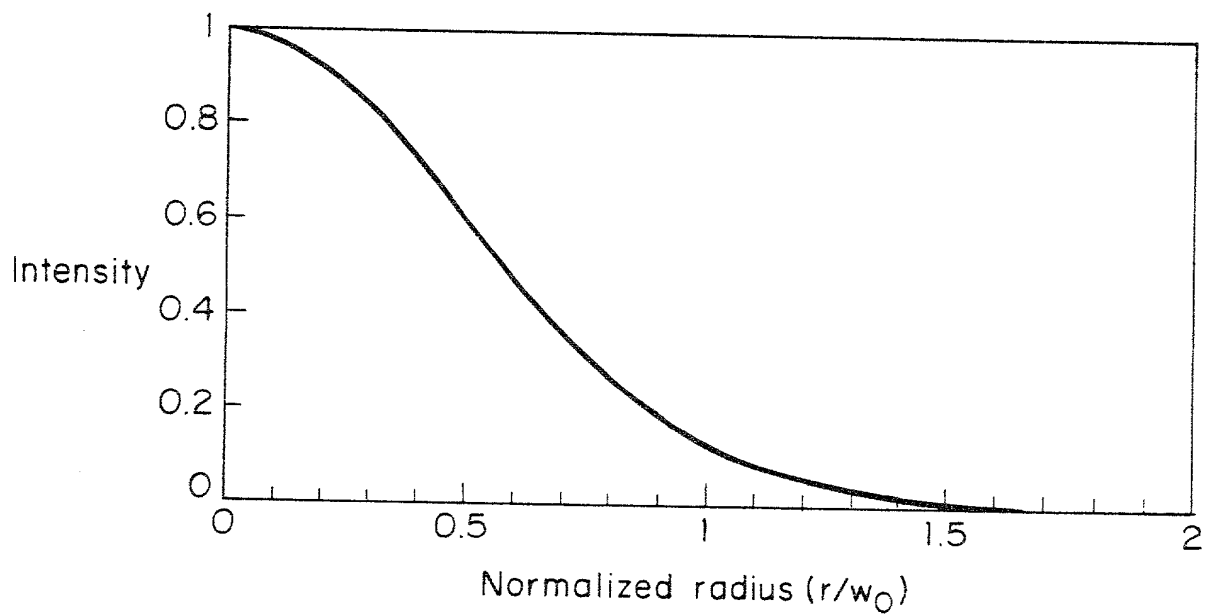


FIG. 15

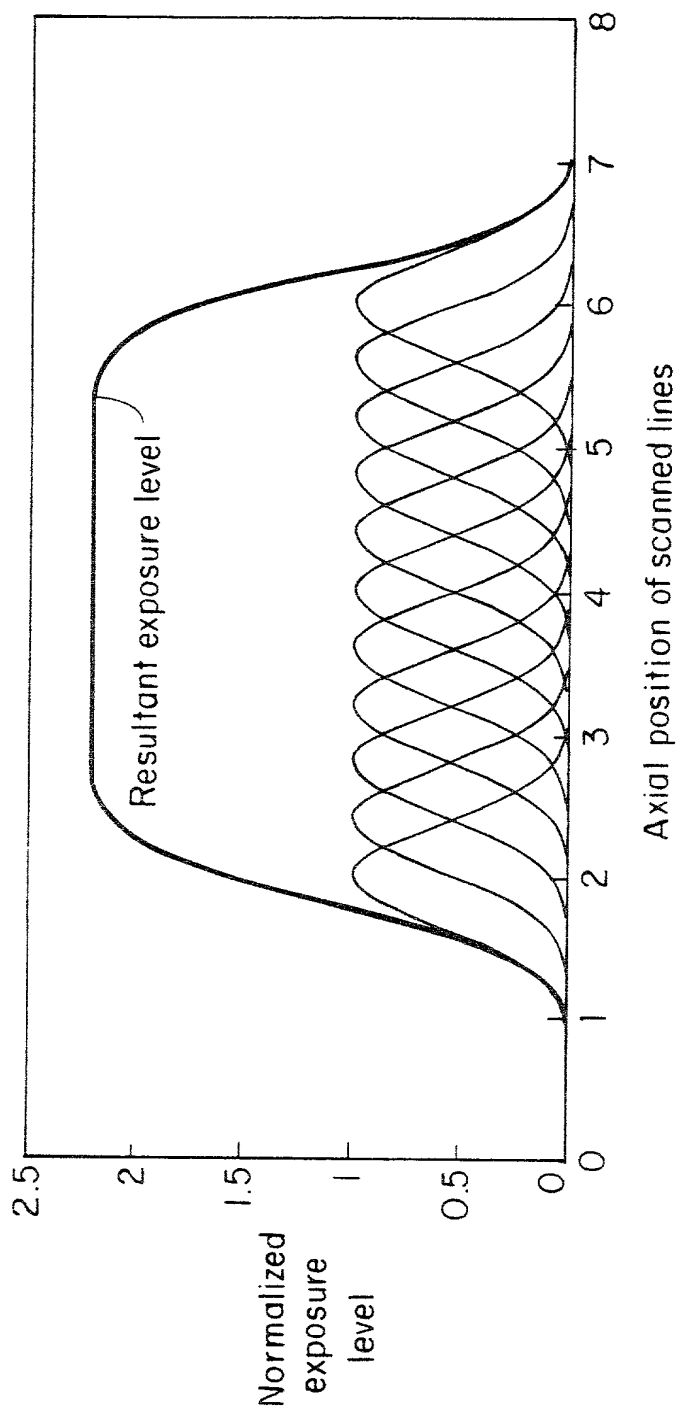


FIG. 16

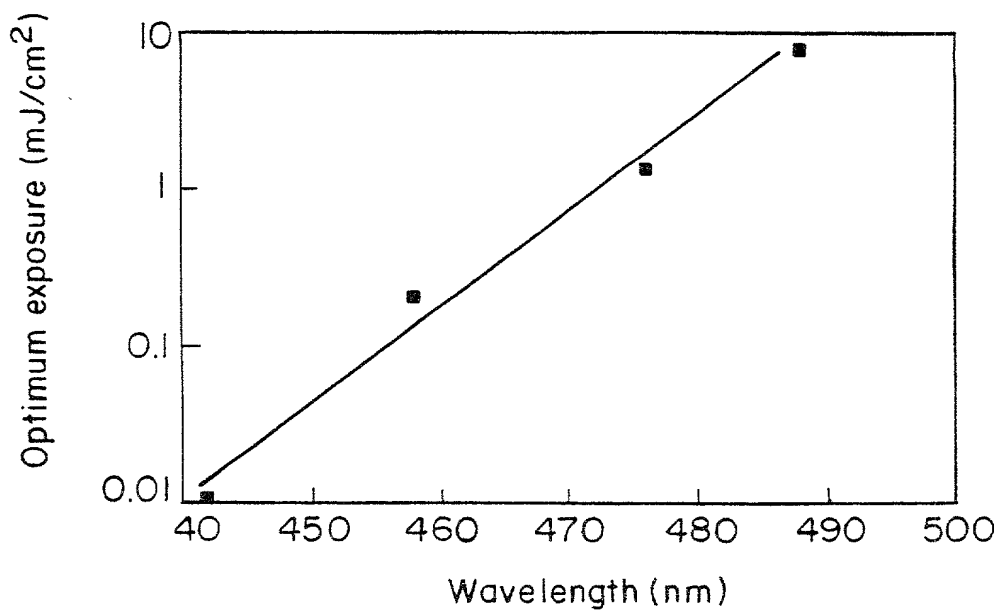


FIG. 17

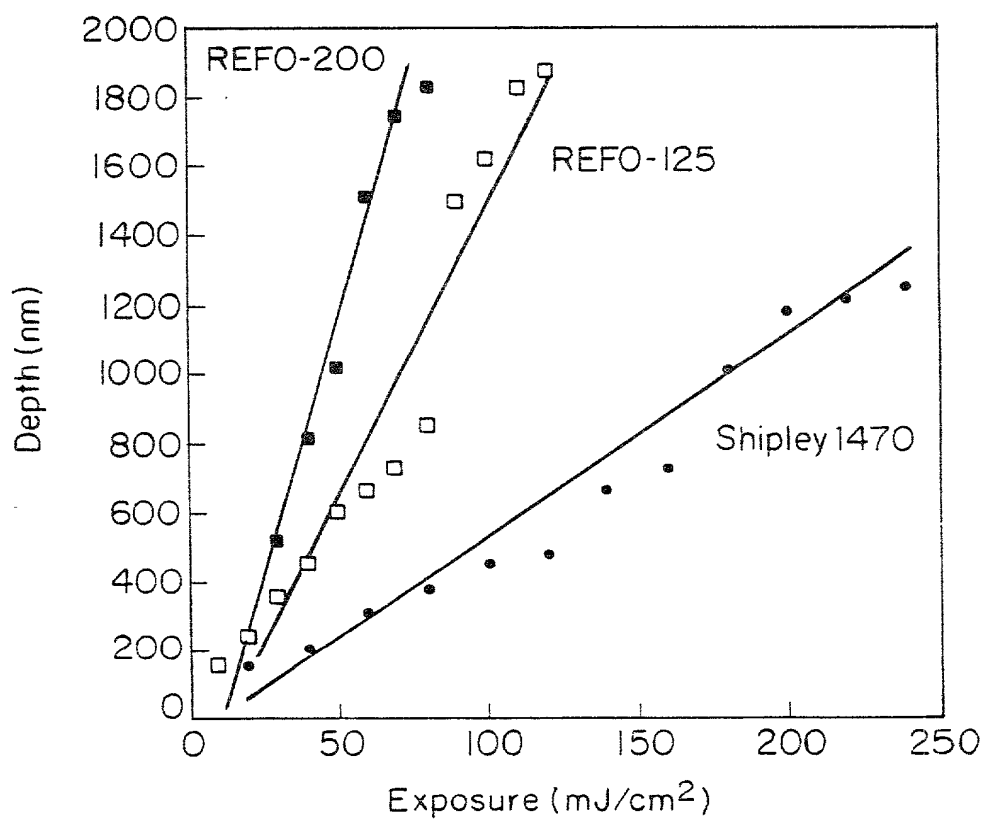
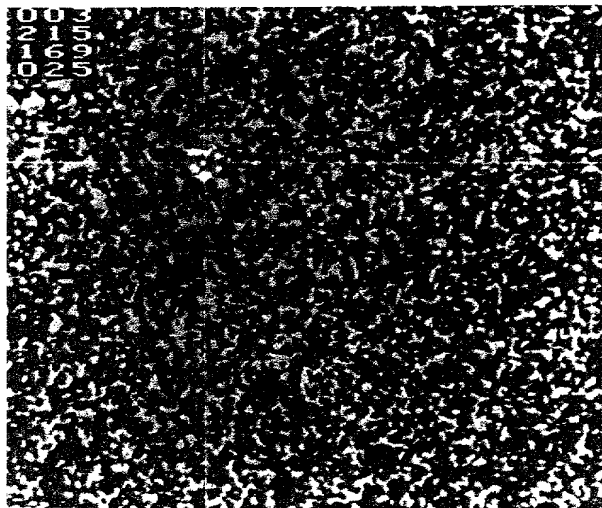
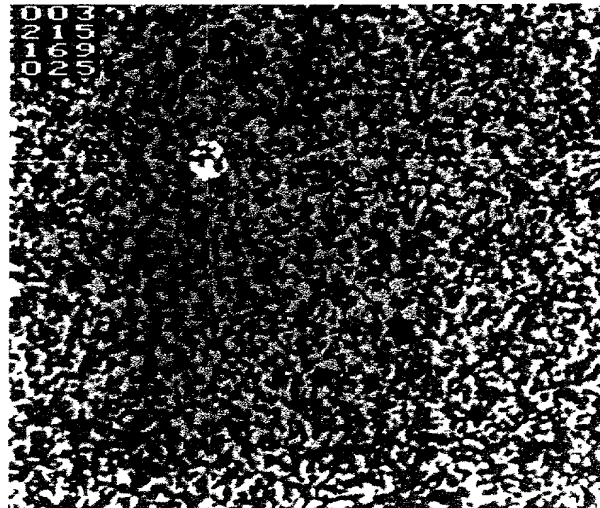


FIG. 18



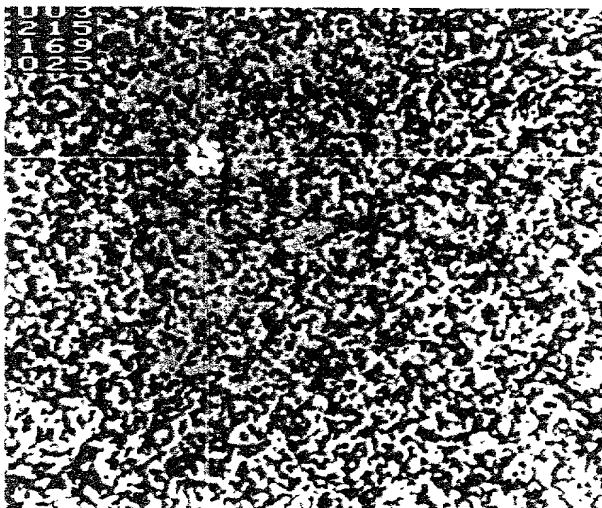
514mJ/cm²

FIG. 19C



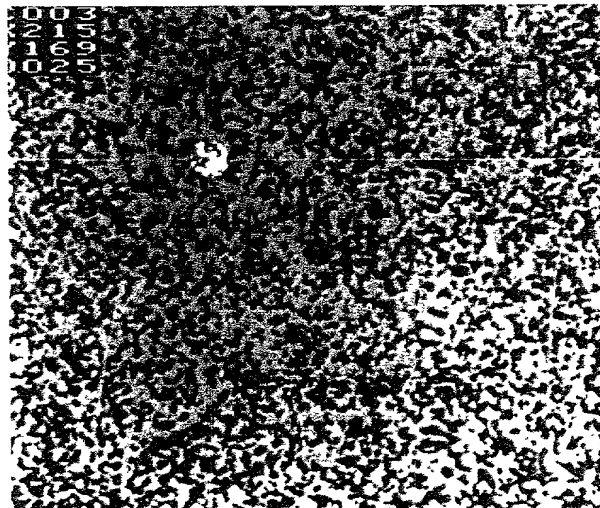
533mJ/cm²

FIG. 19D



554mJ/cm²

FIG. 19E



576mJ/cm²

FIG. 19F

T06020" 66T0650